WHAT IS CLAIMED IS:

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- A fiber which comprises:
 a thermoplastic polymer; and
 particles of a ferroelectric material dispersed therein.
- 2. The fiber of Claim 1, in which the particles of a ferroelectric material ar present at a level of from about 0.01 to about 50 percent by weight, based on the weight of the fiber.
- 3. The fiber of Claim 1, in which the fiber has been exposed to an electric field.
 - 4. The fiber of Claim 1, in which the thermoplastic polymer is a polyolefin.
- 5. The fiber of Claim 4, in which the polyolefin is polypropylene or polyethylene.
- 6. The fiber of Claim 1, in which the particles of the ferroelectric material have a longest dimension in a range of from about 10 nanometers to about 10 micrometers.
- 7. The fiber of Claim 1, in which the ferroelectric material is selected from the group consisting of perovskites, tungsten bronzes, bismuth oxide layered materials,
 25 and pyrochlores.
 - 8. The fiber of Claim 7, in which the ferroelectric material is barium titanate.
 - 9. A multicomponent fiber comprised of two or more components, each of which is comprised of a thermoplastic polymer, wherein at least one component is comprised of a thermoplastic polymer and particles of a ferroelectric material dispersed therein.

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- 10. The multicomponent fiber of Claim 9, in which the particles of a ferroelectric material are present at a level of from about 0.01 to about 50 percent by weight, based on the weight of the fiber.
- 11. The multicomponent fiber of Claim 9, in which the multicomponent fiber has been exposed to an electric field.
- 12. The multicomponent fiber of Claim 9, in which the particles of the ferroelectric material have a longest dimension in a range of from about 10 nanometers to about 10 micrometers.
- 13. The multicomponent fiber of Claim 9, in which the ferroelectric material is selected from the group consisting of perovskites, tungsten bronzes, bismuth oxide layered materials, and pyrochlores.
- 14. The multicomponent fiber of Claim 13, in which the ferroelectric material is barium titanate.
- 15. The multicomponent fiber of Claim 9, in which the multicomponent fiber is a bicomponent fiber in which the two components are arranged in a side-by-side configuration.
- 16. The multicomponent fiber of Claim 9, in which the multicomponent fiber is a bicomponent fiber in which the two components are arranged in a sheath-core configuration.
 - 17. The multicomponent fiber of Claim 9, in which the thermoplastic polymer is a polyolefin.
- 30 18. The multicomponent fiber of Claim 17, in which the polyolefin is polypropylene or polyethylene.
 - 19. A nonwoven web comprised of the fiber of Claim 1.

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The nonwoven web of Claim 19, in which the nonwoven web has been exposed to an electric field.

- 21. A nonwoven web comprised of the multicomponent fiber of Claim 9.
- 22. The nonwoven web of Claim 21, in which the nonwoven web has been exposed to an electric field.
- 23. A method of preparing fibers containing particles of a ferroelectric material, the method comprising:

destructuring the ferroelectric material in the presence of a liquid and a surfactant to give destructured particles, wherein the liquid is a solvent for the surfactant and the surfactant is adapted to stabilize the destructured particles against agglomeration;

forming a blend of the stabilized, destructured ferroelectric material particles and a thermoplastic polymer; and

extruding the blend to form fibers.

- 24. The method of Claim 23, in which the thermoplastic polymer is a polyolefin.
 - 25. The method of Claim 23, in which the particles of a ferroelectric material are present at a level of from about 0.01 to about 50 percent by weight, based on the weight of the fiber.
 - 26. The method of Claim 23 which further comprises exposing the fibers to an electric field.
- 27. The method of Claim 23, in which the destructured particles of the ferroelectric material have a longest dimension in a range of from about 10 nanometers to about 10 micrometers.

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- 28. The method of Claim 23, in which the ferroelectric material is selected from the group consisting of perovskites, tungsten bronzes, bismuth oxide layered materials, and pyrochlores.
- 29. The method of Claim 28, in which the ferroelectric material is barium titanate.
- 30. The method of Claim 23, which further comprises collecting the extruded fibers on a moving foraminous support to form a nonwoven web.
- 31. The method of Claim 30 which further comprises exposing the nonwoven web to an electric field.
- 32. The method of claim 23 which further comprises melting the blend of the stabilized, destructured ferroelectric material particles and a thermoplastic polymer and melt extruding the molten blend to form fibers.
 - 33. The method of claim 23 which further comprises adding a solvent for the thermoplastic polymer to the blend to form a solution of the thermoplastic polymer having dispersed therein the stabilized, destructured ferroelectric material particles and solution spinning the resulting solution to form fibers.
 - 34. The method of Claim 23 which further comprises, after destructuring the ferroelectric material:
- adding the mixture of liquid and stabilized, destructured ferroelectric material particles to a molten organic wax at a temperature sufficient to evaporate the liquid
 - 35. The method of Claim 23 which further comprises, after destructuring the ferroelectric material:
- removing the liquid from the stabilized, destructured particles; and adding the stabilized, destructured particles to a molten organic wax.

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36. The method of Claim 23 which further comprises, after destructuring the ferroelectric material:

removing the liquid from the stabilized, destructured particles;

redispersing the stabilized, destructured particles in water; and
adding the resulting dispersion to a molten organic wax at a temperature sufficient to evaporate the water.

7. The method of Claim 34, in which:

the liquid is an aliphatic alcohol having no more than about ten carbon atoms;

the surfactant is an alcohol-soluble, tetraalkylammonium halide, ethoxylated alkylamine, or primary, secondary, or tertiary alkyl- or arylamine; and the organic wax is a polyethylene wax.

38. The method of Claim 36, in which:

the liquid is an aliphatic alcohol having no more than about ten carbon atoms; the surfactant is an alcohol-soluble, tetraalkylammonium halide, ethoxylated alkylamine, or primary, secondary, or tertiary alkyl- or arylamine; and the organic wax is a polyethylene wax.

- 39. The method of Claim 23, in which destructuring is accomplished by means of a ball mill, attriter mill, or pin mill.
- 40. The method of Claim 29, in which the aliphatic alcohol is 2-propanol or 1-butanol.
 - 41. A filtration medium comprising the nonwoven web of Claim 20.
- 42. The filtration medium of Claim 41, in which the nonwoven web is adapted to remove particulate matter from a gaseous stream.
- 43. The filtration medium of Claim 41, in which the nonwoven web is a component of a heating, ventilating, and air conditioning filter.

- 45.. The filtration medium of Claim 41, in which the nonwoven web is a component of a high efficiency particle abstraction filter.
 - 46. The filtration medium of Claim 41, in which the nonwoven web is a component of an automotive air filter.
- 10 47. The filtration medium of Claim 46, in which the nonwoven web is a component of an automobile engine air filter.
 - 48. The filtration medium of Claim 46, in which the nonwoven web is a component of an automobile cabin air filter.

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- 49. A vacuum clèaner bag comprising the nonwoven web of Claim 20.
- 50. A face mask comprising the nonwoven web of Claim 20.
- 20 51. The face mask of Claim 50, in which the mask is a medical face mask.
 - 52. A respirator comprising the nonwoven web of Claim 20.
 - 53. A dust wipe comprising the nonwoven web of Claim 20.

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